

Angela Schenk

From: Scott Staggenborg [sstaggen@ksu.edu]
Sent: Friday, June 24, 2011 1:15 PM
To: nklocke@cox.net
Subject: Re: Sorghum and Alfalfa yields in Republic CO, KS

Norm:

The average sorghum irrigated yields from NASS were 104 bu/acre with a minimum of 84 and a maximum of 124 bu/acre. The dryland NASS sorghum yields were 79 with a min of 40 and a max of 115. The Kansas Crop Performance test data irrigated mean was 164 bu/acre with a min of 138 and a max of 187 bu/acre. The dryland yields were 125 bu/acre with a min of 81 and a max of 154 bu/acre.

For Alfalfa

NASS does not have any separate data for irrigated or dry, but combines them. The performance test was only conducted under dryland. So I did a combination of dryland and irrigated.

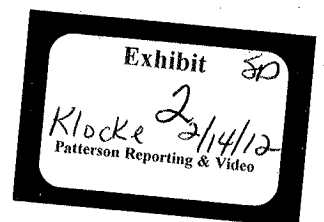
Dryland KSCPT = 5.9 tons with min/max of 4.2 / 8.4 tons Dryland NASS = 3.9 tons with min/max of 2.7 / 6.7 tons Irrigated NASS (TH County) = 4.3 with a min/max of 2.8 / 6.8 KBID (good water years only) = 4.7 with a min/max of 2 / 6

So I think the NASS dryland and KBID irrigated are likely the easiest to defend/access data by outsiders. I do not have crop yields by field, so the KBID irrigated is mixed across sprinkler and flood.

Let me know if you need other data.

SAS

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On 6/23/2011 4:07 PM, nklocke@cox.net wrote:

> Dear Scott,

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> I need the expected fully irrigated and non-irrigated yields, which assumes that the sorghum would follow a summer crop, for alfalfa and sorghum in Republic County. There needs to be a basis for the numbers, possibly NASS data. The challenge with using dryland yields from NASS data is that most of the dryland sorghum follows wheat. I am trying to wrap up the Republic CO work and possibly the Nebraska work next week.

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> Norman L. Klocke

> nklocke@cox.net